

# LSP 33600-J

## Hybrid primary Li-SOCl<sub>2</sub> battery

3.6 V D-size bobbin cell coupled with a 70F Lithium-ion capacitor (LIC)

Saft's LSP 33600-J battery is ideally suited for long-life applications (typically from 5 to 10 years), featuring low base currents and periodic high current pulses up to 1.5 A.

### Benefits

- High pulse capability
- High voltage response, stable even after long period without activity
- Wide operating temperature range (-25°C / +70°C)
- Low self-discharge, compatible with a long operating life (less than 1.5% after 1 year at +20°C)
- Superior resistance to corrosion

### Key features

- Battery made of Saft's LS33600 D-size bobbin Li-SOCl<sub>2</sub> cells coupled with a 70 F (Lithium-ion capacitor)
- Restricted for transport (class9)
- Made in UE

### Designed to meet all major quality, safety and environment standards

- Safety: UL 1642, IEC 60086-4 for lithium cells and UL810A for LIC
- RoHS and Reach compliance
- Transport: UN 3090 and UN 3091
- Quality: ISO 9001, Saft Excellence System, continuous evaluation program

### Typical Applications

- Utility Metering
- Internet of Things
- Tracking systems
- Alarms and security
- Connected sensors
- Medical devices



### Electrical characteristics<sup>1</sup>

Nominal capacity (under 5 mA, +20°C, 2.0 V cut-off) <sup>2</sup>	17 Ah
Open circuit voltage (at +20°C)	3.67 V
Nominal voltage (at 0.7 mA, + 20°C)	3.6 V
Nominal energy	61.2 Wh
Typical Pulse capability <sup>3</sup>	Up to 1.5 A
Maximum recommended continuous current <sup>4</sup>	250 mA

### Operating conditions

Operating temperature range	-25°C / +70°C (-13°F/ +158°F)
Storage temperatures (max recommended) <sup>5</sup>	+30°C (+86°F)

### Physical characteristics

Length (max)	44.2 mm (1.76 in)
Width (max)	33.7 mm (1.37 in)
Height (max)	62.7 mm (2.47 in)
Typical weight	92.8 g (3.27 oz)
Terminals <sup>6</sup>	Flying leads with optional connectors
Li metal content	Approx. 4.5 g

### References

Saft Part number	60454Y
------------------	--------

<sup>1</sup>Typical values relative to cells stored up to one year at + 30°C max.

<sup>2</sup>Dependent upon current drain, temperature, cut-off and cell orientation.

<sup>3</sup>Typical pulse capability to 2.8 V at +20°C from fresh battery

The voltage readings may vary according to:

- The pulse characteristics such as intensity, duration and frequency
- The environment's temperature
- The battery previous history

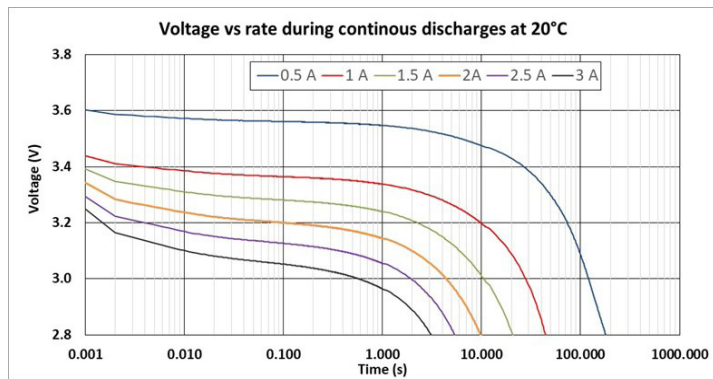
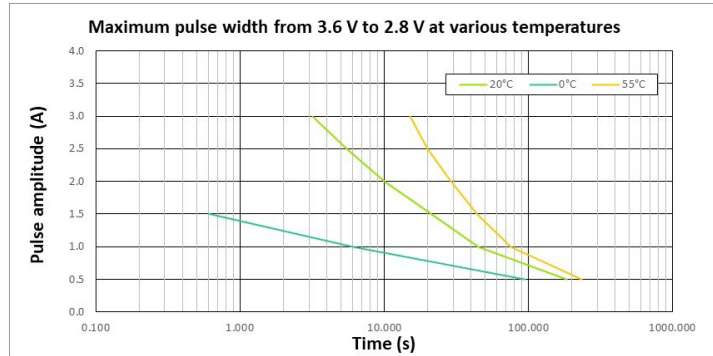
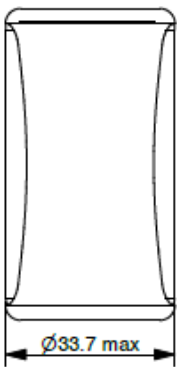
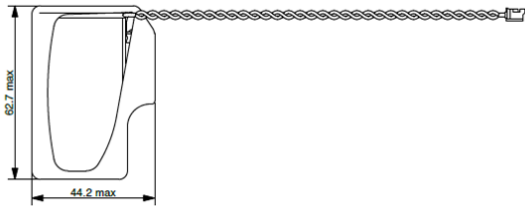
<sup>4</sup>Higher currents are possible, consult Saft.

<sup>5</sup>For more severe conditions, consult Saft.

<sup>6</sup>For other configurations, please consult Saft.

## LSP 33600-J

Hybrid primary Li-SOCl<sub>2</sub> battery



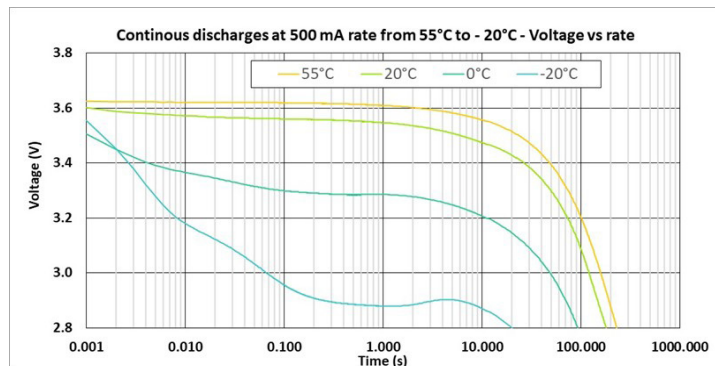
Dimensions in mm

### Storage

- The storage area should be clean, cool (preferably not exceeding +30°C), dry and ventilated.

### Warning

- Fire, explosion and severe burn hazard.
- Do not recharge, short circuit, crush, disassemble, heat above 100°C (212°F), incinerate, or expose contents to water.
- Do not solder directly to the cell (use tabbed cell versions instead).
- Do not mix new and used cells or cells from different origins.
- Mind the polarities of the cell.



26, quai Charles Pasqua  
92300 Levallois-Perret - France  
www.saft.com

**Saft, a subsidiary of TotalEnergies**  
S.A.S. au capital de 26 724 876 €  
R.C.S. Nanterre 481 480 465

Document N° 31218-2-1225  
Edition: December 2025

Data in this document is subject to change without notice and becomes contractual only after written confirmation.

Photo credits: © Saft